

ABSTRACT

5 A system is provided where a number of  
representative video snapshots are displayed on a  
timeline indicating a position to jump to in a video  
using control buttons, such as fast forward, reverse, or  
a timeline scroll bar. The video snapshots are  
obtained by opening a low resolution connection to a  
video server to receive forward looking video segments.  
The forward looking video segments are summarized and  
10 the representative video snapshots are selected and  
displayed to provide a reference frame for the user to  
select a timeline position, or snapshots directly linked  
to positions in the higher resolution video. Backward  
looking video segments may be similarly summarized from  
15 the low resolution connection, or alternatively from  
video previously played. As the video progresses, new  
forward looking video segments are received and new  
representative video snapshots are summarized and  
displayed in close proximity with the video being  
20 played.

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